

REVISION HISTORY							
DATE	REV	DESCRIPTION	AUTHOR	CHECKED BY	APPROVED		
08/23/16	PR2	ADDED ITEM NUMBERS 69 THRU 72; ADDED SECT. L-L.	JT	LS	JT		
D 03/03/17	A	DELETED NOTE 5; FOR NOTE 4 ADDED CLASS S, AND SURFACE PREP AND FINISHING PROCEDURES; IN NOTE 7 CHANGED ITEM # WAS 65; ADDED NOTES 8 THRU 13; IN SECT. G-G ADDED "HI" AND "LOW" LABELS, ADDED 2X TO #66 ON "HI" RELAY, ADDED NOTE "ATTACHES TO EXISTING L-BRACKETS" AND ADDED #78 AND #79; IN VIEW H-H CHANGED ITEM #54 RING TERMINAL TO #52, ADDED FOUR ITEM #73, CHANGED VIEW H-H TO LOOK AFT, ORGANIZED WIRES AND MOVED CIRCUIT BREAKERS; IN SECT. D-D CHANGED TWO #47 CONNECTORS TO #66 TERMINALS, ADDED CALLOUTS FOR #41 AND #42, ADDED NOTE 7 TO #47 AND #66 CONNECTORS, ADDED #79; ON SCHEMATIC CHANGED NOTE 1 TO 8 AND ADDED NOTES 10 AND 11; IN SECT. J-J ADDED NOTE 5, 6 AND 10, CHANGED CONNECTOR ITEM #50 TO #52 AND BUTT SPLICE FROM #49 TO #77, ADDED CALLOUT FOR EXISTING CLAMP; RE-ROUTED WIRING IN MODEL TO MATCH BELL; IN SECT. C-C ADDED DIMENSIONS FOR PANEL; IN SECT. C-C AND B-B ADDED SCREWS AND NUTS; ADDED SECT. L-L, M-M, N-N, P-P, R-R, T-T, DETAIL Q AND S; CHANGED WIRES #23, #27 AND #28 FROM 18 GA. TO 16 GA.; IN SECT. F-F, CHANGED CONNECTOR ITEM #66 TO #67 AND #47 TO #66, ADDED NOTE 7 TO #48, #66 AND #67; IN DETAIL K CHANGED CONNECTOR ITEM #66 TO #67, REMOVED ITEM #43 AND #42 (2X), ADDED ITEM #41 (2X), ADDED NOTE 7 TO #47, #66 AND #67; FOR NOTE 3 ADDED "AND AC 43.13 CHAPTER 11"; FOR NOTE 11 ADDED ", SECT. L-L"; ON SHT 1 ADDED CALLOUTS FOR COMPENTS AND SHEET NUMBERS FOR SECTIONS/VIEWS; ON SHT 2 ADDED NOTE 11 TO THREE GROUND CONNECTORS AND ADDED ITEM #40 CALLOUT; ADDED TORQUE SPECS; ADDED #79 ZIP TIES TO SECTION F-F AND DETAIL K.	JT	LS	JT		
5/11/17	B	REPLACED SCHEMATIC WITH SCHEMATICS 1-4; SHT 6 REMOVED BALLOONS REPLACED WITH LABELS DETAIL A, REMOVED VIEW E-E, REMOVED BALLOONS AND NOTED LABELS SEC F-F, 68 WAS CENTERED IN CONSOLE SEC C-C, REMOVED BALLOONS SEC B-B; SHT 7 REMOVED ZIP TIES AND BALLOONS REPLACED WITH LABELS SIDE VIEW, RECONFIGURED RELAYS AND REMOVED BALLOONS REPLACED WITH LABELS AND REMOVED ZIP TIES SEC D-D; SHT 8 REMOVED BALLOONS AND ZIP TIES REPLACED WITH LABELS SEC G-G, REMOVED BALLOONS SEC J-J, REMOVED SEC R-R,, ADDED DETAIL AB; SHT 9 DELETED SEC L-L, REMOVED BALLOONS AND ZIP TIES REPLACED WITH LABELS DETAIL K; SHT 10 ADDED 505AC-5430-27&29 FOR REF, ADDED SECTIONS W-W Y-Y AND AC-AC; SHT 11 ADDED GROUND STUD DETAIL, MOVED AFT EVAP GROUND WIRE AND STUD SHT 4 TO -6100.	EW	LS	JT		
6/1/17	C	SHT 1 NOTE 18 WAS GENERAL; SHT 3 ADDED ITEM 133; SHT 4 ADDED ITEM 169 AND REMOVED 128; SHT 5 ADDED ITEMS 128 & 167, ITEM 168 WAS 129, ADDED 18 FLAGS TO 2160K5.	EW	LS	JT		
6/7/17	D	ADDED SHT 1 AND MOVED REV HISTORY; SHT 2, 3, 4, 5, 6 ALL SHT CALLOUTS +1 DUE TO NEW FIRST SHEET; SHT 3 ADDED ITEM 170; SHT 4 ADDED ITEM 171 AND LEADER NOTE; SHT 5 ADDED CONTINUED NOTE TO 2100P1/J1 CONNECTOR; SHT 6 SWAPPED ITEMS 167 & 128; SHT 10 SECT W-W MADE 505AC-5430-29 TUBE VISIBLE AGAIN, SHT 13 SECT AP-AP GROUND STUD HOLE SPACING WAS 0.80.	EW	LS	JT		
7/14/17	E	REMOVED DUPLICATE BOM ITEM 24; ADDED BALLOONS TO WIRES IN SCHEMATICS 1,2,3,4; SHT 12 ADDED SECTION AT-AT AND AU-AU, FILLED IN CHECKED BY AND APPROVED INITIALS REVS PR2 TO D.	EW	LS	JT		
9/20/17	F	SHT. 9 VIEW AR-AR ADDED DIMENSIONS FOR DOUBLER MATCH DRILL HOLES; BOM ITEM #22 WAS -24.	EW	LS	JT		
9/22/17	G	SHT 2 : CHANGED LABEL FRONT TO FWD AND ADDED 1000 MILLIOHM REQUIREMENT TO NOTE 4. SHT 4: CHANGED LABEL FRONT TO FWD (5 PLCS) AND ADDED HIDDEN LINES FOR REF BOX. SHT 5: ADDED HIDDEN LINES TO REF BOX. SHT 8: CHANGED LABEL FRONT TO FWD. SHT 9: MOVED REFERENCE NOTES 11 & 14 FROM LOCATION ABOVE ITEM 165 TO A LOCATION NEXT TO ITEM 165. SHT 11: ADDED NOTE 14. SHT 12: CHANGED LABEL FRONT TO FWD. CLARIFIED HOLE NOTES ON SECTION VIEW AR-AR ON SHT. 9.	PM	LS	JT		
4/3/18	H	SHT. 2 ADDED NOTES 20; SHT. 6 ADDED TO ITEMS 86 & 88 LCTN B4, ADDED WIRE LABELS AC1D22G & AC1D22GN LCTN B2, ITEM BALLOON WAS 67 ON LH SIDE OF 2130S4 PRESSURE SWITCH, ITEM BALLOON WAS 52 ON BTM OF COMPRESSOR LCTN B1, ADDED WIRE LABELS AC1D22G & AC1D22GN ON 2160CR5 LCTN D2; SHT. 7 DELETED DIM 1.47 LCTN B3; SHT. 9 ITEM BALLOON WAS 52 ON SECTION J-J, ADDED TOP 3X ITEM 73 LEADERS AND 2X ITEM 74 BALLOONS LCTN B1; SHT. 10 SECTION W-W REPLACED ITEM 143 WITH 70; SHT. 12 ADDED BOTTOM CLAUSE TO SECTION AT-AT NOTE; SHT. 13 ADDED ATTACHMENT LOCATIONS ON BOTH SIDES OF ATTACHMENT LOCATION WITH WIRE ROUTING NOTE; BOM ITEM 57 WAS 7277-2-0.5, ITEM 61 WAS M23053/5-105-0, ITEM 86 REMOVED REF FROM DESCRIPTION, ITEM 112 WAS MS27039C1-09.	EW	LS	EW		
7/3/18	I	SHT 2, TITLE CHANGED WAS "-1 ELECTRICAL INSTALLATION" NOW "-3 ELECTRICAL INSTALLATION SHOWN", CHANGED FRONT EVAP TO FWD, ADDED NOTE 21; SHT 4, MADE 2100SP2 SHADOW; SH 5, MADE SPLICE SHADOW; SHT 7, CHANGED CUTOUT DIMENSIONS TO REFERENCE, ADDED NOTE 21; SHT 8, MADE SECTION AG-AG REFERENCE; SHT 9 ADDED NOTES 11,14 TO 2461CB1J2, ADDED NOTE 21 TO VIEW AR-AR; SHT. 12 CHANGED GROUND STUD HOLES TO REFERENCE; 505AC-601-3 BOM ADDED WITH ITEMS 70(8X), 92, 93, 94, 95, 96(4X) CHANGED TO REFERENCE, BOTH BOM -1 & -3: ITEM 66 ADDED RB14-250F AS ALTERNATE	ZB	LS	MH		
12/26/18	J	SHT 4&5: 2100SP2 & 2100SP4 SPLICES MADE DARK W/ DASHED LINES	ZB	LS	ZB		
9/17/19	K	FLAG NOTE 22 ADDED TO SHT 2 AND 3	ZB	LS	ZB		
4/29/20	L	ADDED NOTE #23; BOM ITEM #89 ADDED P/N CTL-12-513 AS ALT	ZB	LS	ZB		
1/8/21	M	SHT 2: FIXED OFFSET TRIANGLE NOTATION; SHT 3: RE-ADDED WIRE CONTINUATION SHEET REFERENCES	ZB	DT	MH		

	TITLE			DRAWING NUMBER	
	ELECTRICAL INSTALLATION			505AC-601	
DIMENSIONS IN INCHES					
TOLERANCES EXCEPT WHERE NOTED:					
.X = ± .1					
.XX = ± .05					
.XXX= ± .010					
ANGLES=± 1°					
THREADS: INTERNAL: CLASS 2B EXTERNAL: CLASS 2A					
3RD ANGLE PROJECTION					
DO NOT SCALE DRAWING					
© 2021 PARAVION TECH. INC. PARAVION IS A TRADEMARK OF PARAVION TECHNOLOGY INC.					
SHEET 1 OF 13					

CONFIDENTIAL INFORMATION  
THE INFORMATION AND DATA CONTAINED HEREIN IS PROPRIETARY AND IS SUBMITTED IN CONFIDENCE; AND SHALL NOT BE DISCLOSED, USED OR DUPLICATED FOR ANY PURPOSE WHATSOEVER WITHOUT THE PRIOR WRITTEN PERMISSION OF PARAVION TECHNOLOGY, INC.

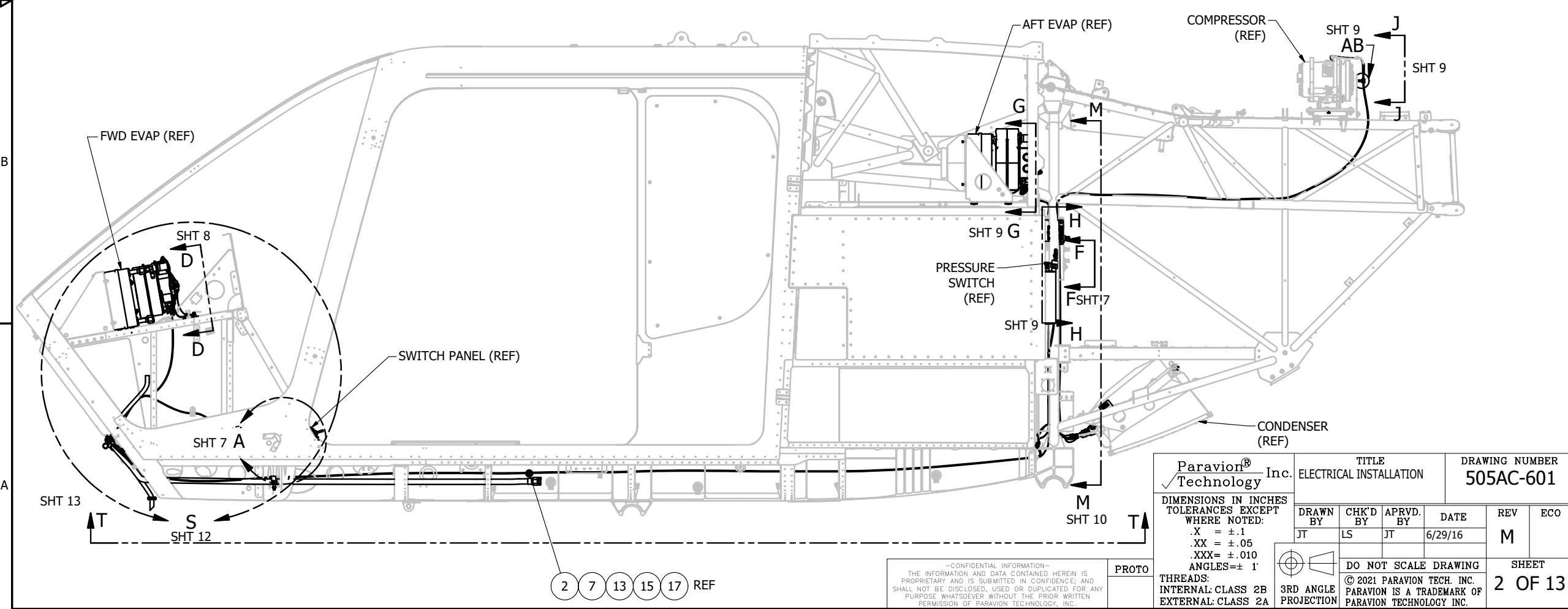
PROTO

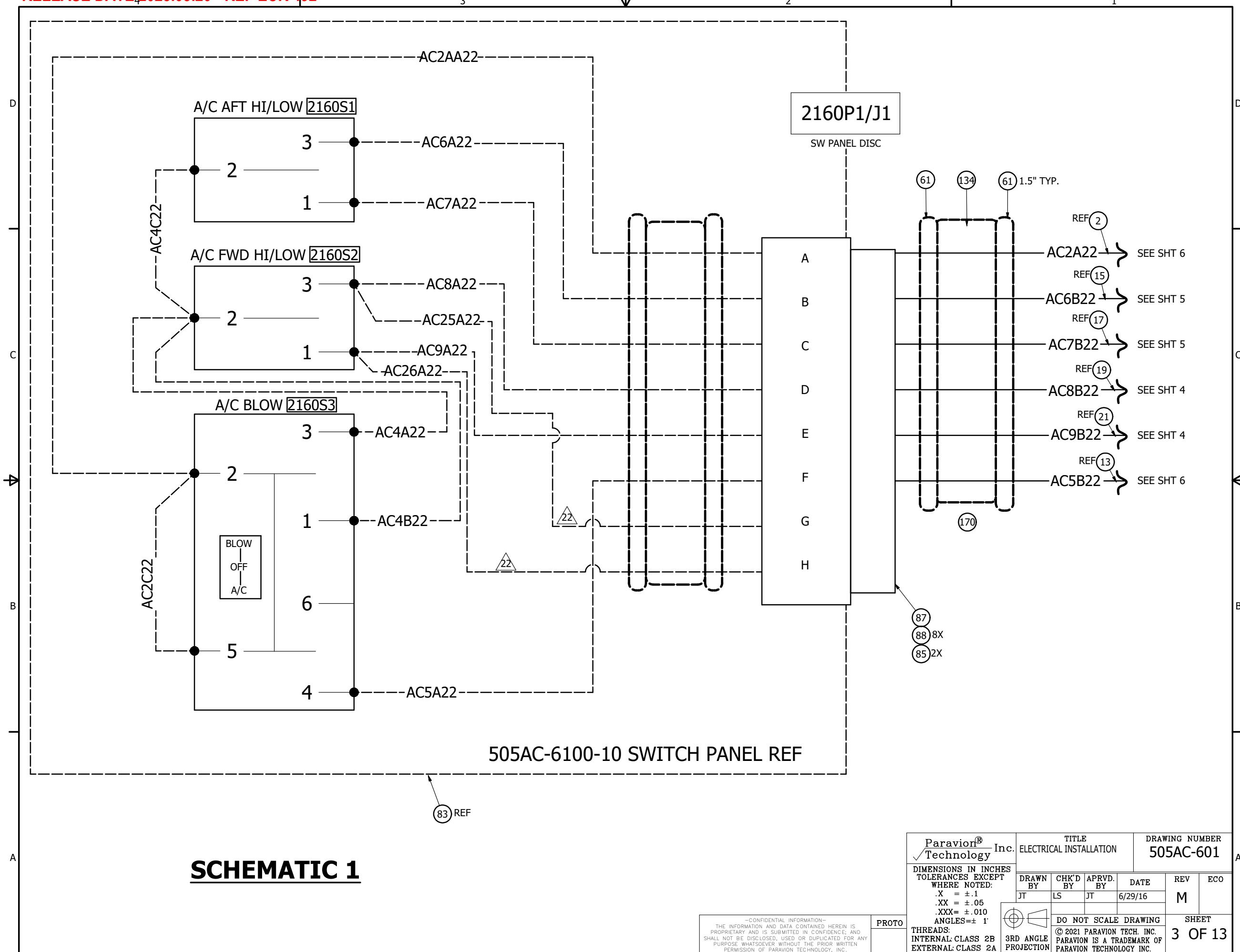
**-3 ELECTRICAL INSTALLATION SHOWN**

## NOTES:

1. ALL WIRES TO BE BUNDLED WITH EXISTING WIRE BUNDLES.
2. ALL CRIMPED ENDS SHOULD CONFORM TO BHT-ELEC-SPM CHAPTER 5-3.
3. ALL WIRES TO BE RESTRAINED IN ACCORDANCE WITH BHT-SLEC-SPM CHAPTER 6 AND AC 43.13 CHAPTER 11.
4. FOLLOW SURFACE PREPARATION AND FINISHING PROCEDURES IN BHT-ELEC-SPM CHAPTER 8 FOR ALUMINUM SURFACES. ALL ELECTRICAL BONDING AND GROUNDING TO BE DONE IN ACCORDANCE WITH BHT-ELEC-SPM CHAPTER 8-26, TABLE 2 CLASS S, 1000 MILLIOHMS OR LESS.
5. VERIFY ELECTRICAL BOND OF 2.5 MILLIOHMS OR LESS PER AC43.13-1B, CHAPTER 11, SECTION 15.
6. SEAL WITH AMS3374 BOTH SIDES.
7. INSTALL LABEL IN ACCORDANCE WITH BHT-ALL-SPM, CHAPTER 8 §8-24.
8. AIR CONDITIONING CIRCUIT BREAKERS TO BE INSTALLED DIRECTLY TO THE BUS BAR WITHOUT A JUMPER WIRE.
9. INSTALL TERMINALS IN ACCORDANCE WITH BHT-ELEC-SPM, CHAPTER 4.
10. INSTALL TERMINAL UNDER RETAINING CLIP.
11. PREPARE FAYING SURFACES FOR ELECTRICAL BOND IN ACCORDANCE WITH BHT-ELEC-SPM, CHAPTER 8 §8-5 TO 8-7.
12. IDENTIFY EACH CONNECTOR WITH APPROPRIATE REFERENCE DESCRIPTION.
13. UNLESS OTHERWISE NOTED, ALL WIRE TO BE PER AS22759/41 OR AS22759 WIRE WITH HIGHER TEMPERATURE RATING.
14. SEAL ELECTRICAL BOND IN ACCORDANCE WITH CHAPTER 8 OF BHT-ELEC-SPM USING MIL-PRF-81733, TYPE II, CLASS 1 SEALANT. SEALANT TO BE PROVIDED BY INSTALLING FACTORY.
15. PROVIDE DRIP LOOP IN CABLE IN ACCORDANCE WITH BHT-ELEC-SPM, CHAPTER 6, FIGURE 6-11.
16. INSTALL THREADED FASTENERS AND MAINTAIN REQUIREMENTS FOR GRIP LENGTH PER BHT-ALL-SPM, CHAPTER 2, §2-6 THRU 2-8.
17. APPLY TWO WRAPS OF TAPE A-A-59163 AROUND TUBE BEFORE SECURING TIE STRAP OR CLAMP.
18. COVER ALL TERMINALS WITH ITEM 61.
19. APPLY LACING CORD PER BHT-ELEC-SPM CHAP 6, §6-22 THRU 6-29 AS APPLICABLE.

20. IT IS ACCEPTABLE TO USE WIRE PER DLA LAND AND MARITIME DRAWING NO. 04041 IN EQUIVALENT GUAGE, TO REPLACE MIL-W-22759/41 WIRE. EXAMPLE: MIL-W-22759/41-XX-9 IS REPLACED BY 04041-XX-9.
- 21** PART OF BASE AIRCRAFT S/N 65170 AND SUBSEQUENT, MODIFY ONLY IF UNAVAILABLE
- 22** ADDITIONAL 2 UNUSED WIRES ACCEPTABLE ON INSTALL
23. VALIDATE ALL ELECTRICAL BUNDLES A MINIMUM OF 0.375" FROM TUBINGS AND STRUCTURE

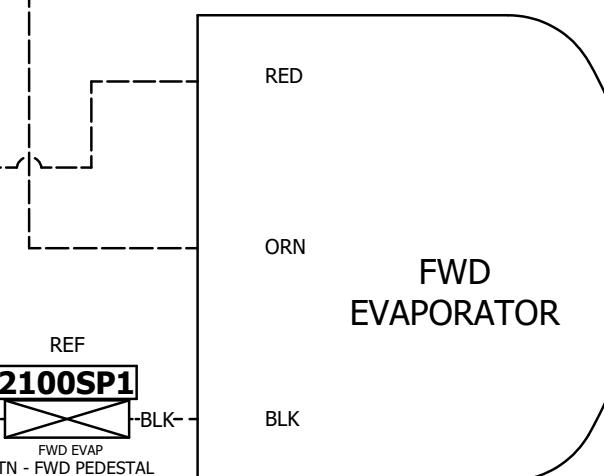
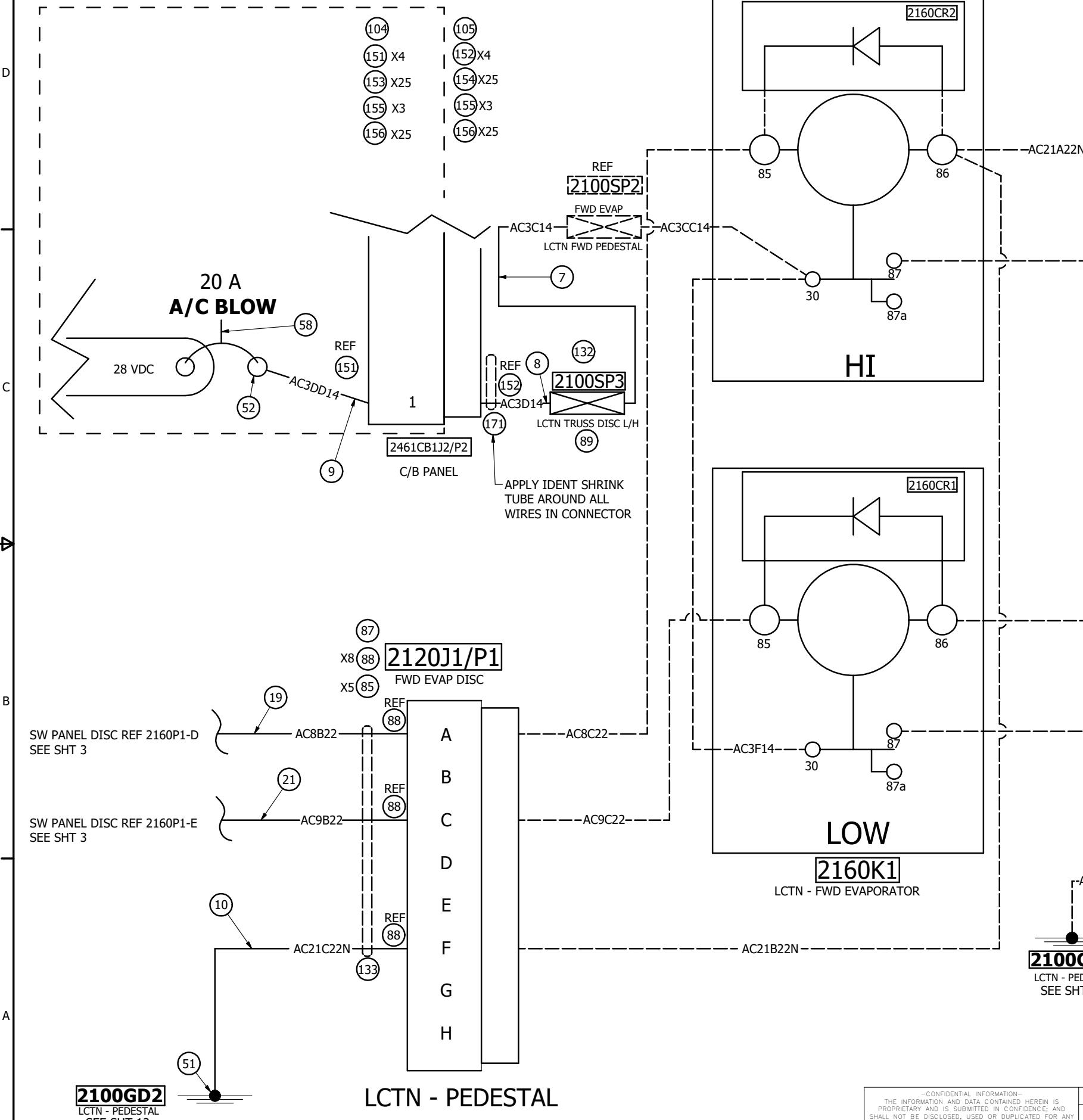




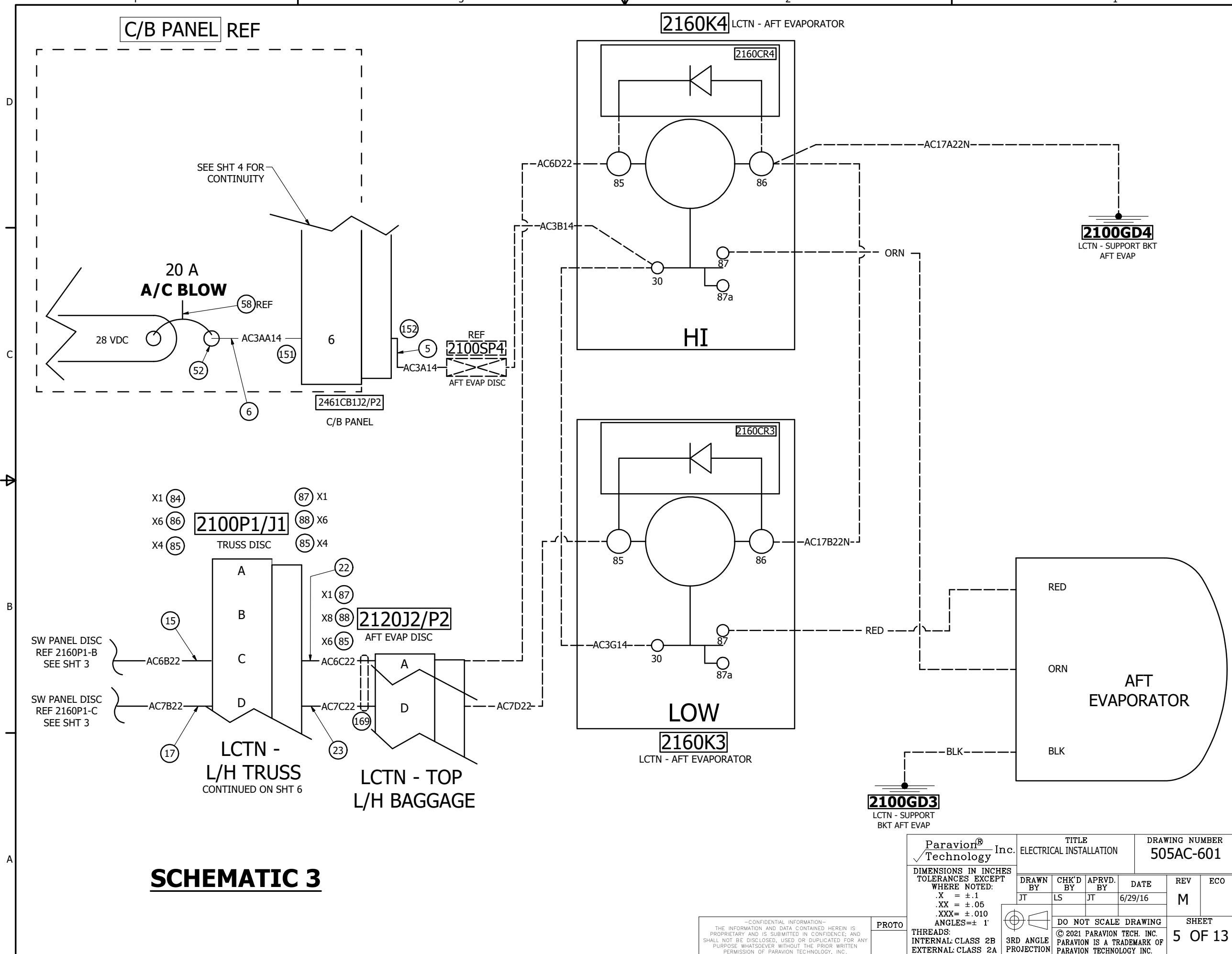
C/B PANEL REF

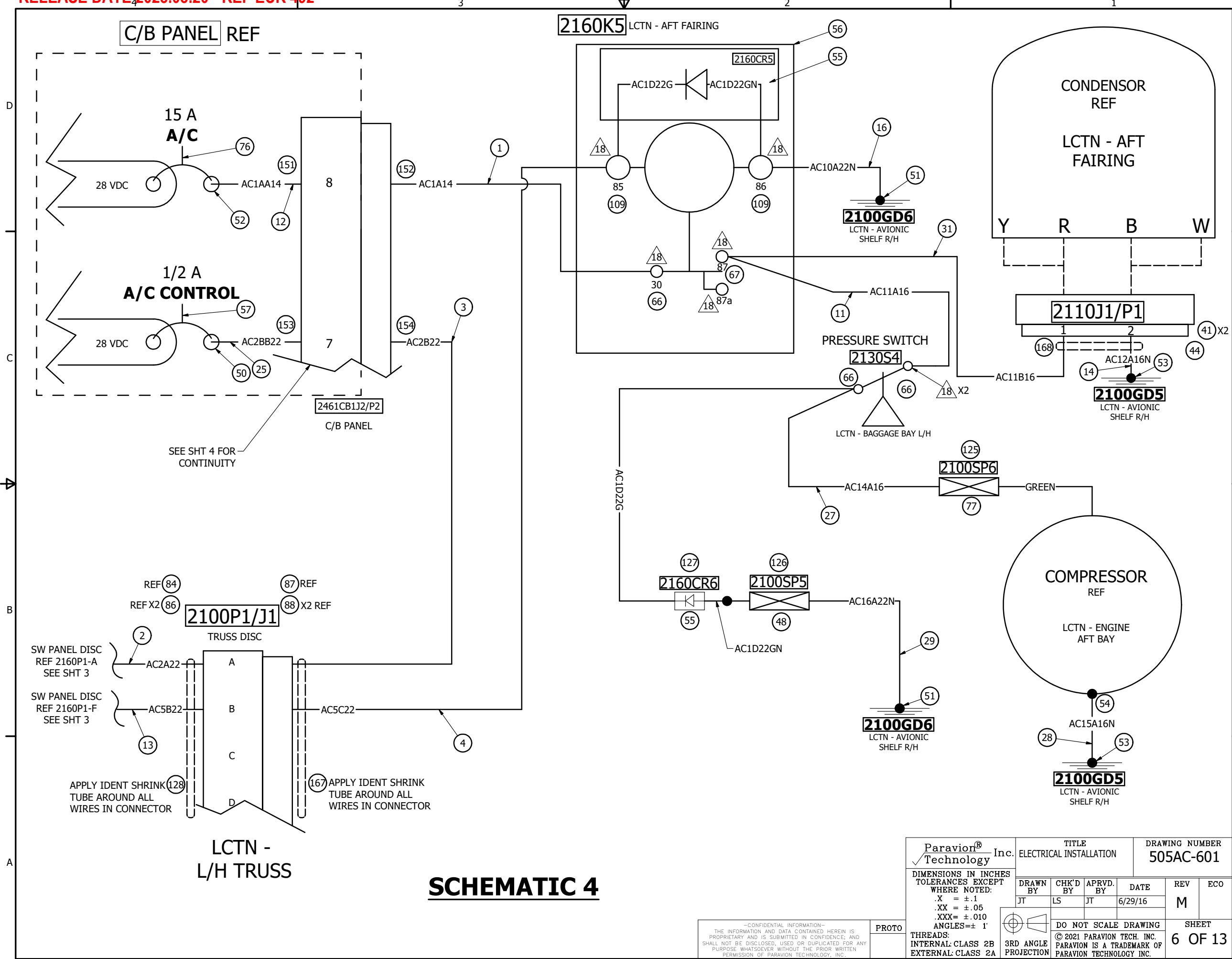
**2160K2** LCTN - FWD E

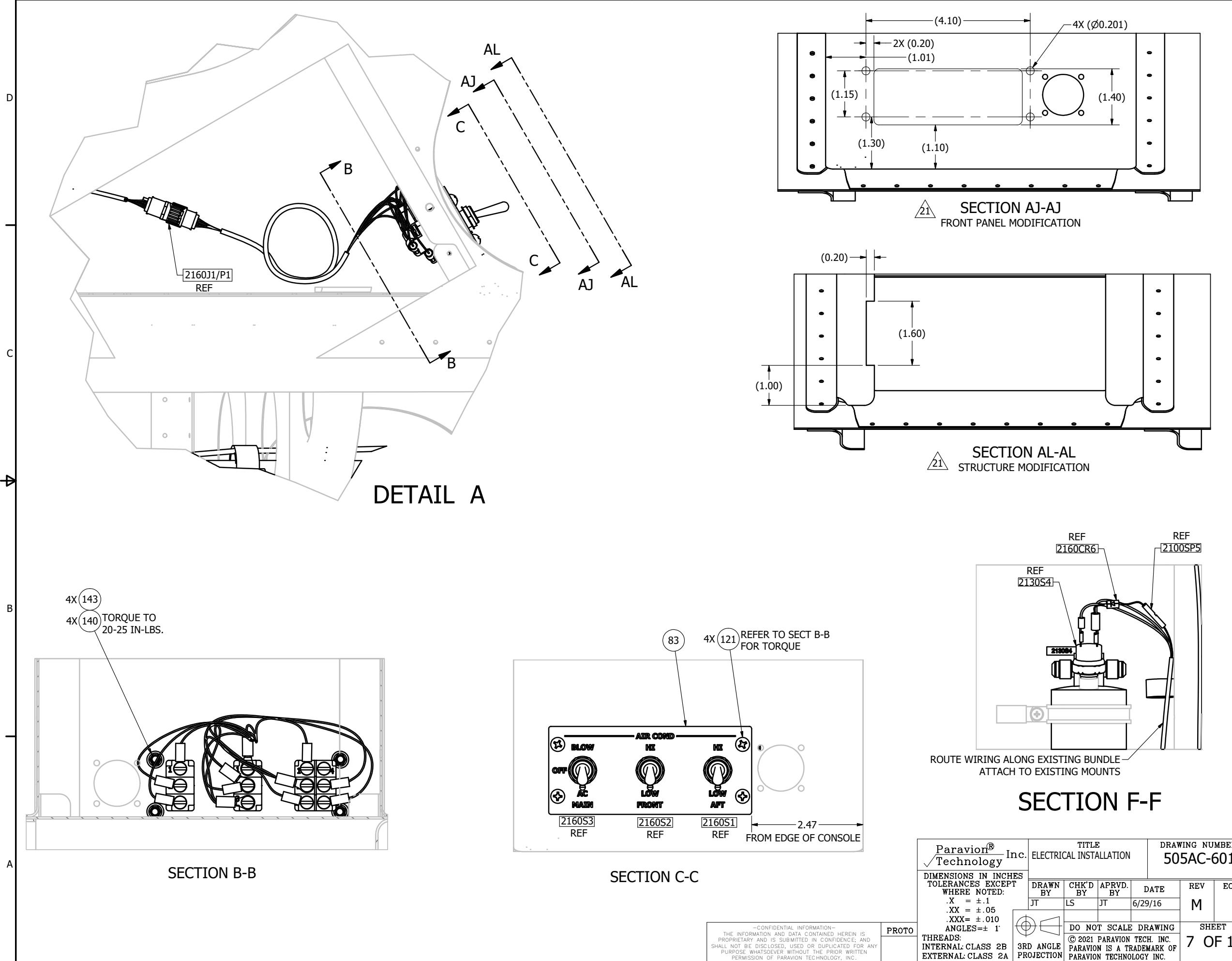
## SCHEMATIC 2

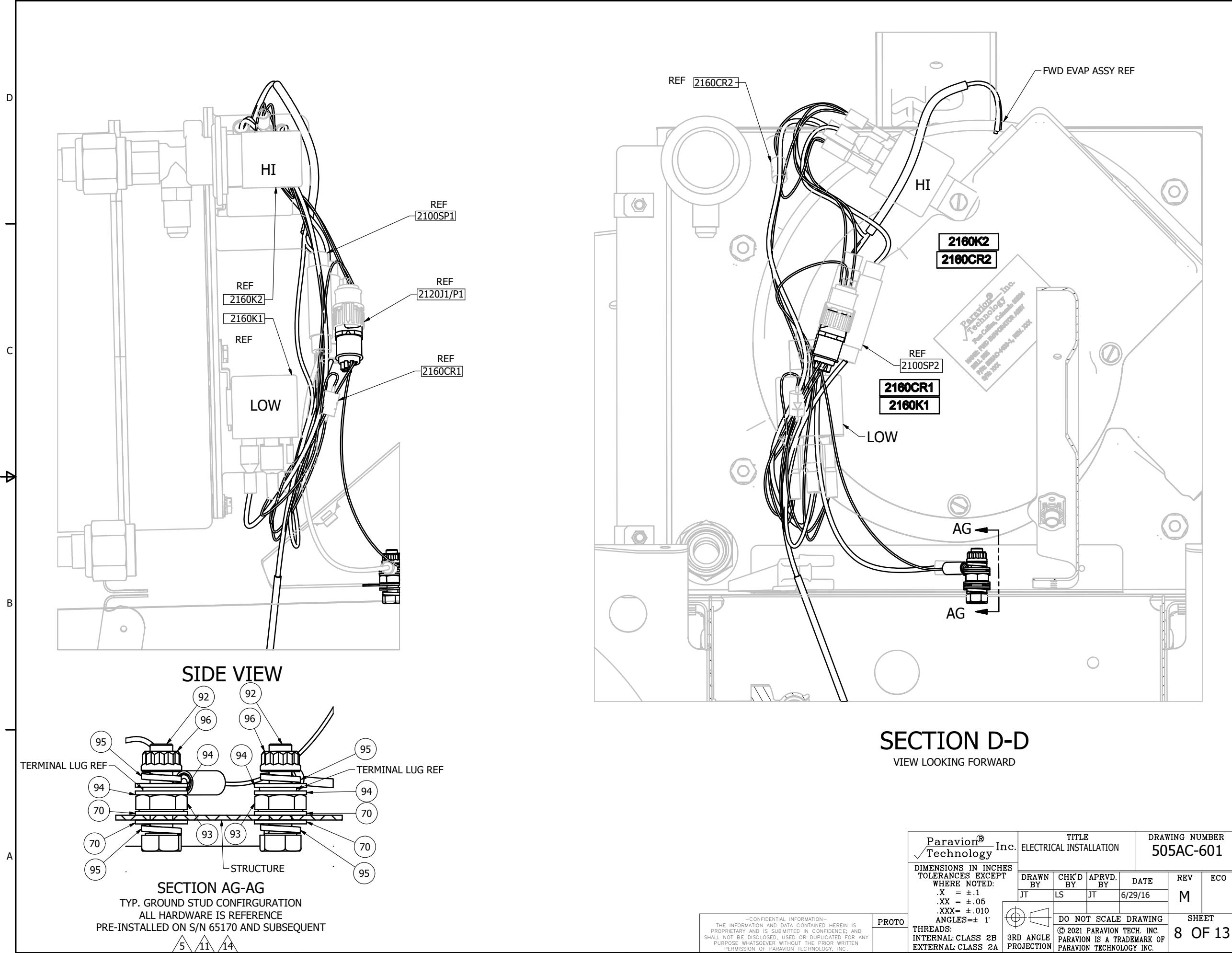


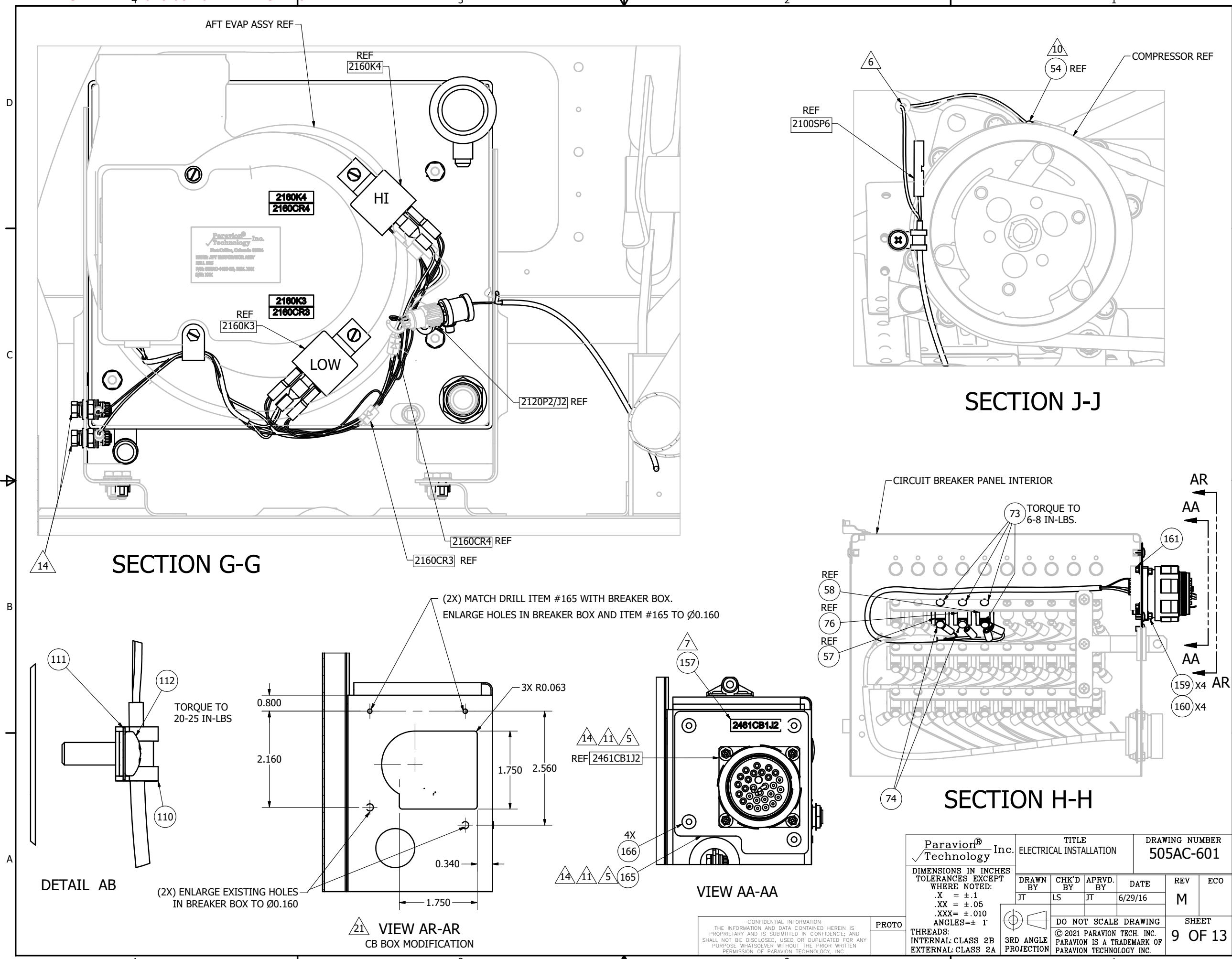
EDESTAL HT 12	 <b>Paravion® Technology</b>	TITLE ELECTRICAL INSTALLATION				DRAWING NUMBER <b>505AC-601</b>	
		DRAWN BY	CHK'D BY	APRVD. BY	DATE	REV	ECO
DIMENSIONS IN INCHES TOLERANCES EXCEPT WHERE NOTED:  .X = ± .1 .XX = ± .05 .XXX = ± .010 ANGLES = ± 1°		JT	LS	JT	6/29/16	M	
PROTO		DO NOT SCALE DRAWING © 2021 PARAVION TECH. INC. PARAVION IS A TRADEMARK OF PARAVION TECHNOLOGY INC.				SHEET <b>4 OF 13</b>	
Y	3RD ANGLE PROJECTION						











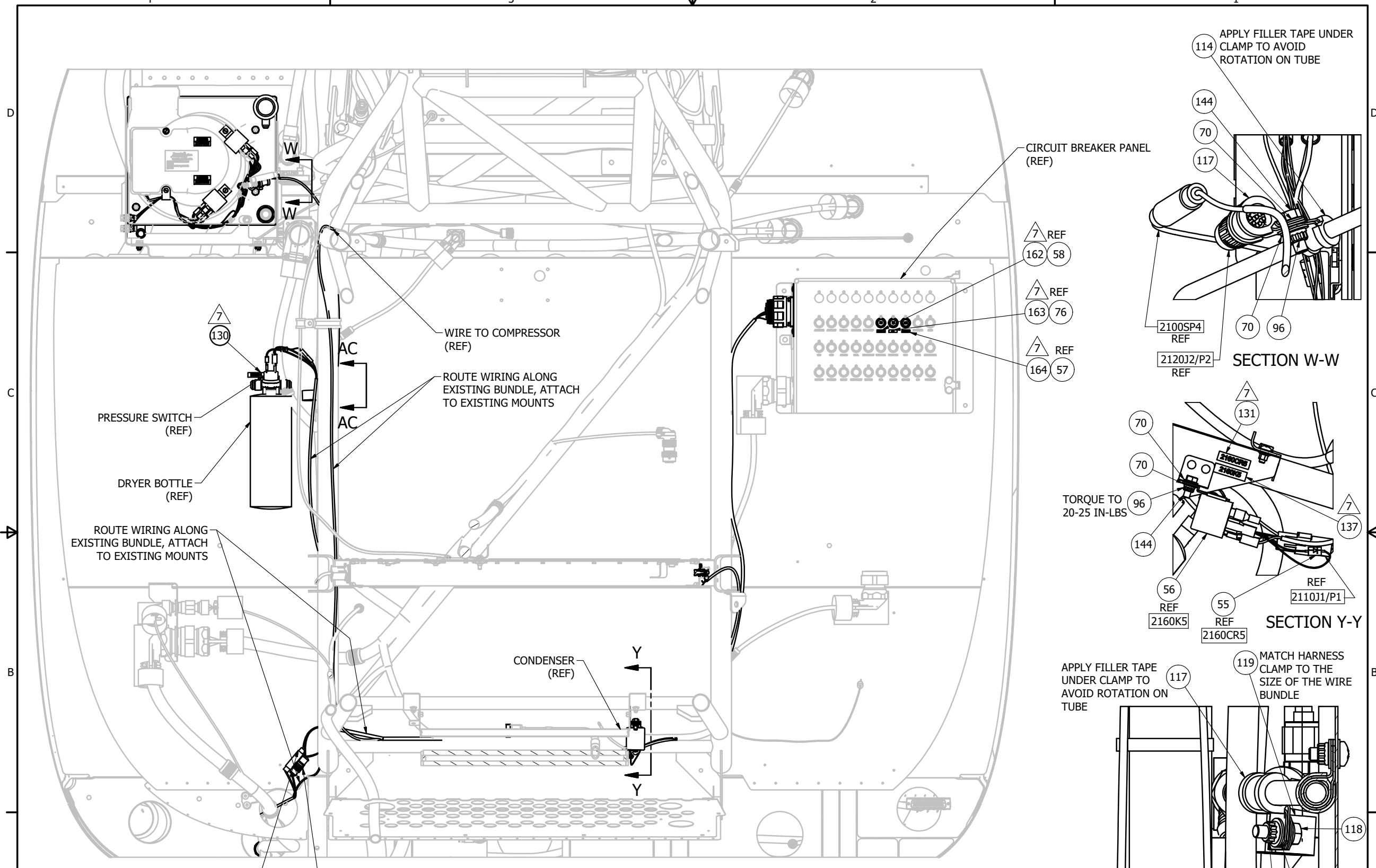
3

1

1

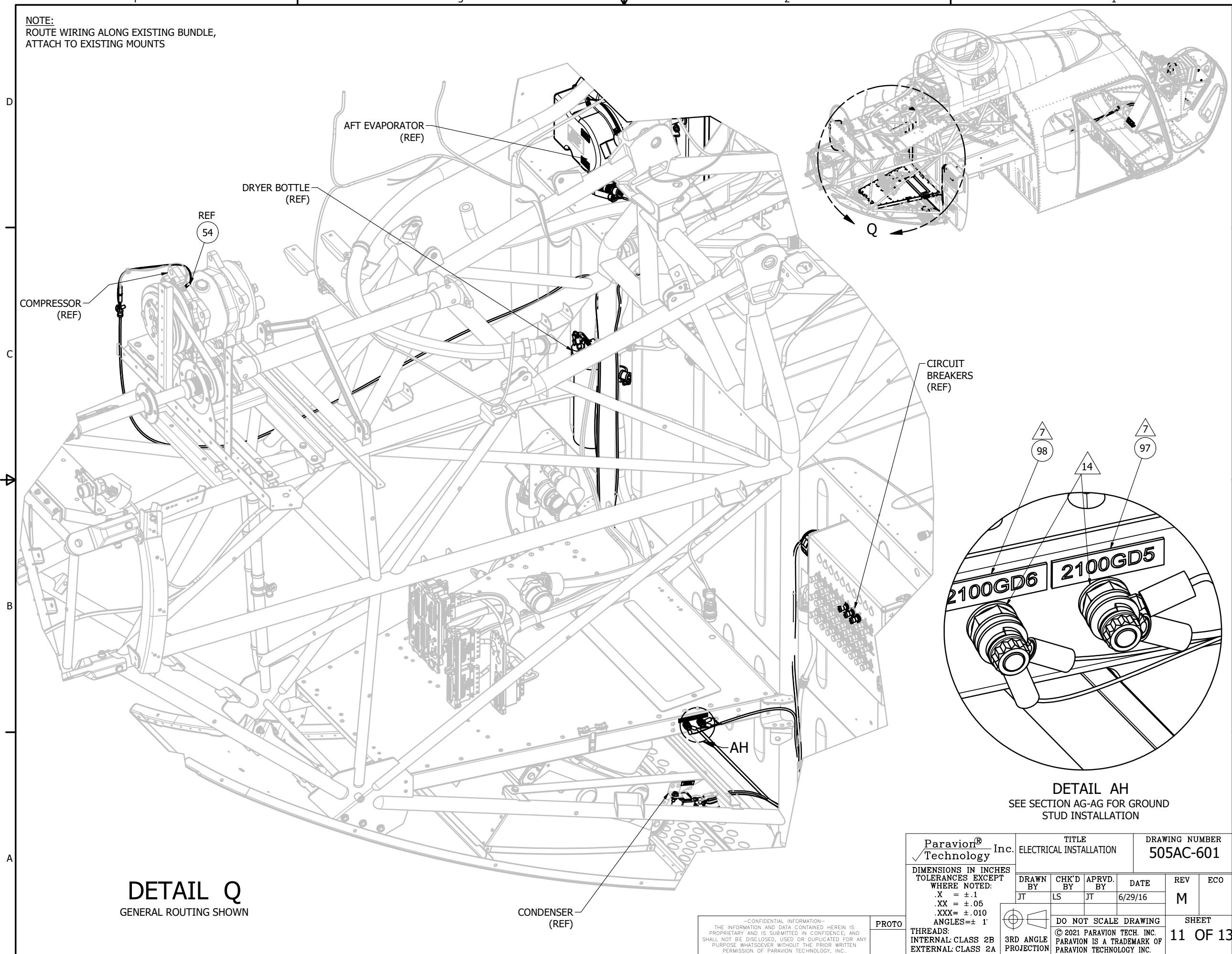
# **SECTION M-M**

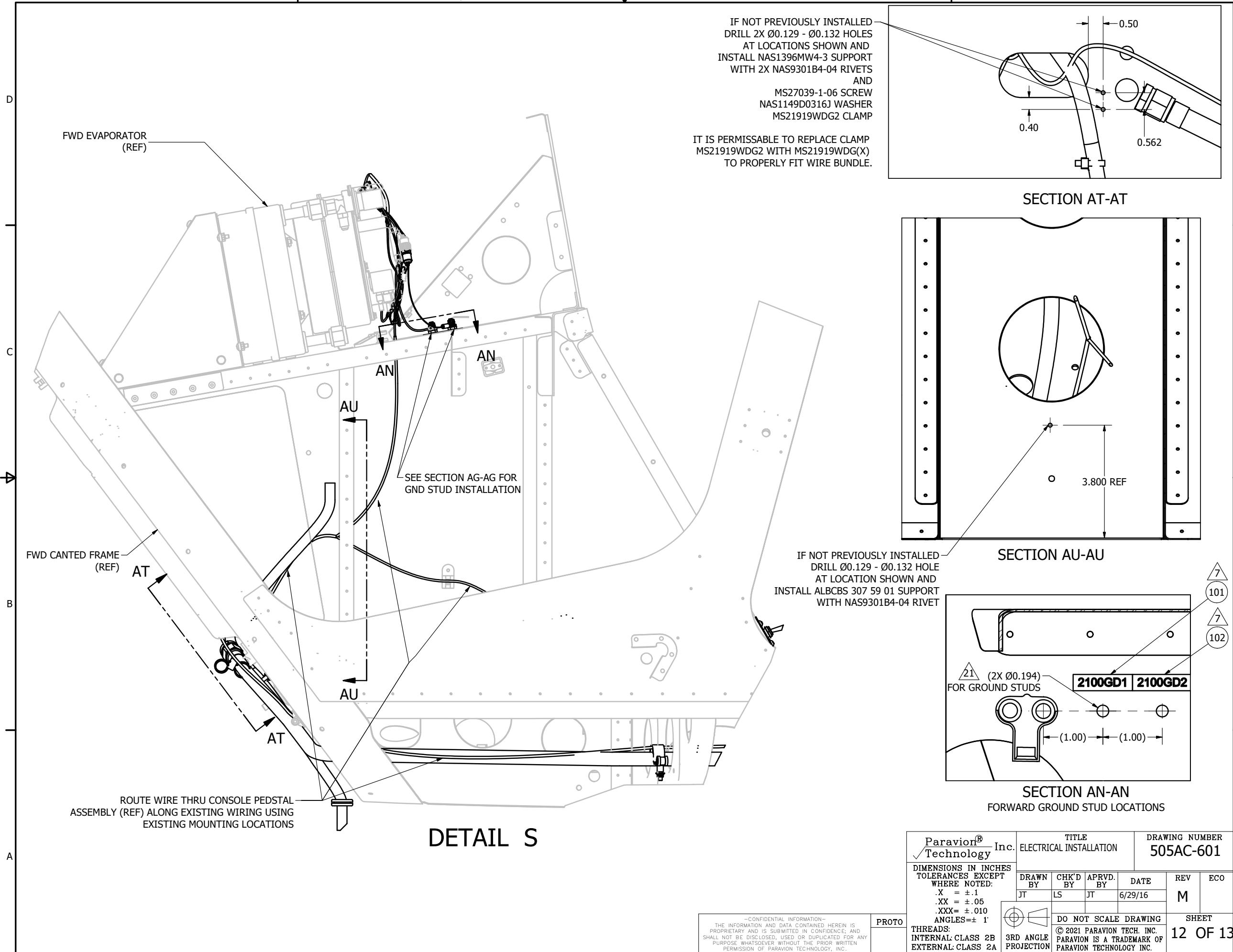
## **GENERAL ROUTING SHOWN**

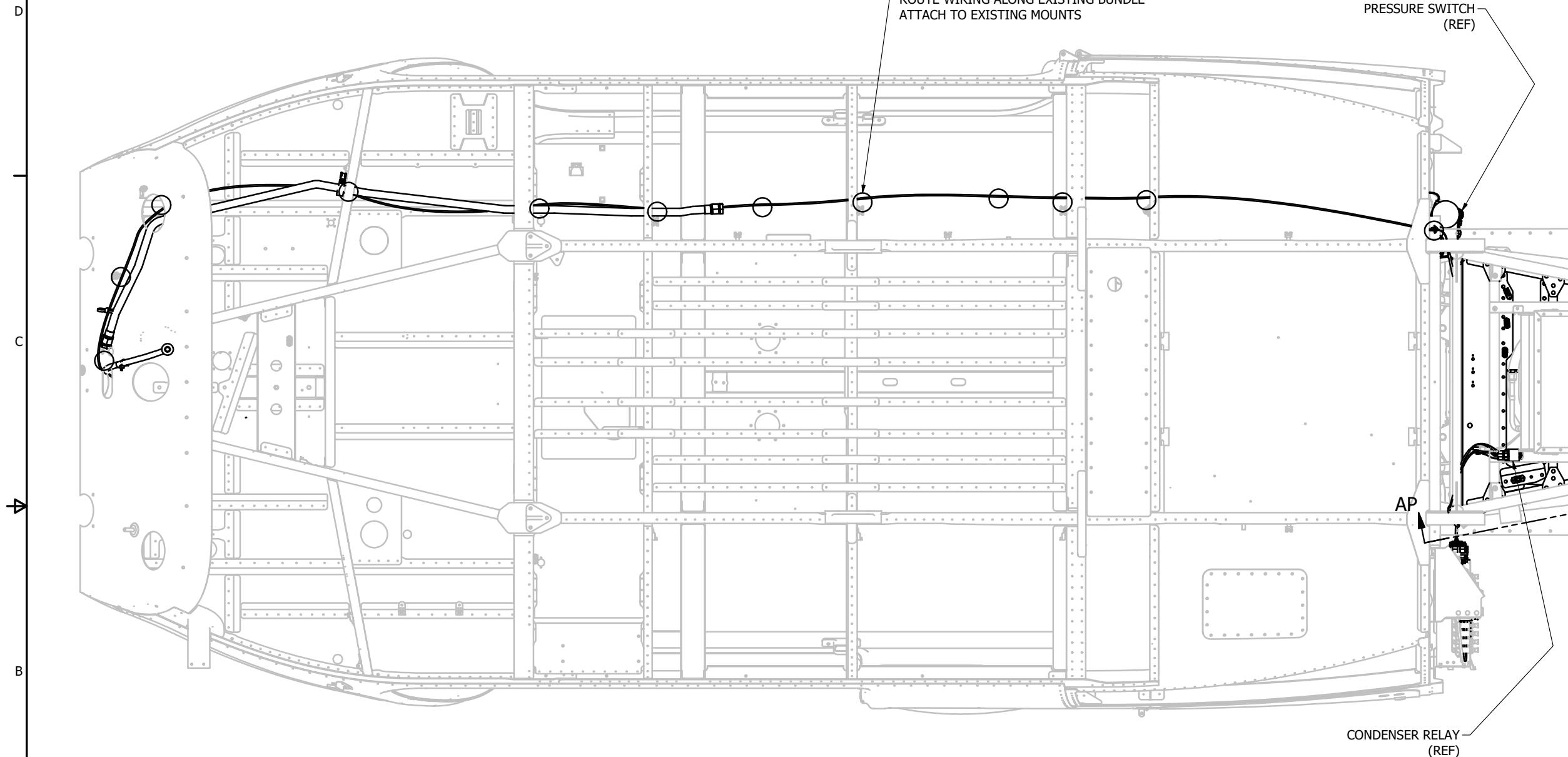


Paravion® Inc. Technology		TITLE ELECTRICAL INSTALLATION				DRAWING NUMBER 505AC-601	
DIMENSIONS IN INCHES TOLERANCES EXCEPT WHERE NOTED: .X = ± .1 .XX = ± .05 .XXX = ± .010 ANGLES = ± 1°		DRAWN BY	CHK'D BY	APRVD. BY	DATE	REV	ECO
		JT	LS	JT	6/29/16	M	
PROTO NY	THREADS: INTERNAL: CLASS 2B EXTERNAL: CLASS 2A			DO NOT SCALE DRAWING		SHEET	
				© 2021 PARAVION TECH. INC. PARAVION IS A TRADEMARK OF PARAVION TECHNOLOGY INC.		10 OF 13	
3RD ANGLE PROJECTION							

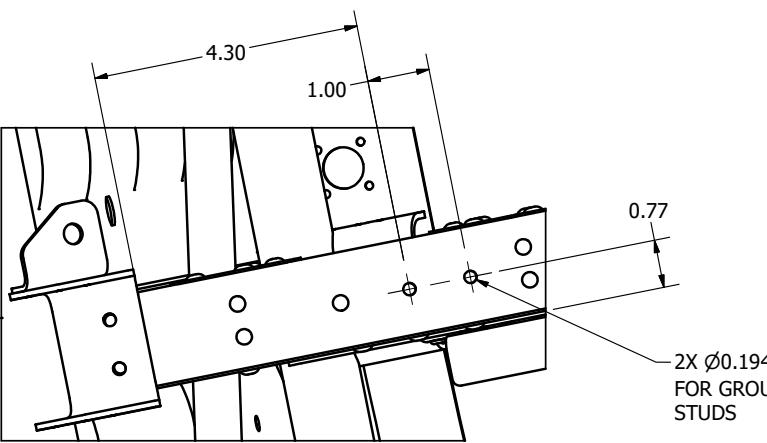
NOTE:  
ROUTE WIRING ALONG EXISTING BUNDLE,  
ATTACH TO EXISTING MOUNTS







## VIEW T-T

SECTION AP-AP  
CONDENSER GROUND STUD LOCATIONS

CONFIDENTIAL INFORMATION  
THE INFORMATION AND DATA CONTAINED HEREIN IS  
PROPRIETARY AND IS SUBMITTED IN CONFIDENCE; AND  
SHALL NOT BE DISCLOSED, USED OR DUPLICATED FOR ANY  
PURPOSE WHATSOEVER WITHOUT THE PRIOR WRITTEN  
PERMISSION OF PARAVION TECHNOLOGY, INC.

Paravion® Inc. Technology		TITLE ELECTRICAL INSTALLATION			DRAWING NUMBER 505AC-601		
DIMENSIONS IN INCHES TOLERANCES EXCEPT WHERE NOTED: .X = ± .1 .XX = ± .05 .XXX = ± .010 ANGLES = ± 1°		DRAWN BY JT	CHK'D BY LS	APRV'D. BY JT	DATE 6/29/16	REV M	ECO
THREADS: INTERNAL: CLASS 2B EXTERNAL: CLASS 2A	3RD ANGLE PROJECTION	DO NOT SCALE DRAWING © 2021 PARAVION TECH. INC. PARAVION IS A TRADEMARK OF PARAVION TECHNOLOGY INC.	SHEET 13 OF 13				

# Bill of Materials

\*505AC-601-1, REV. M

ITEM #	P/N	DESCRIPTION	QTY	TYP
0	*505AC-601-1, REV. M	ELECTRICAL INSTALLATION	1	KIT
1	505AC-6100-59	WIRE, AC1A14	1	EA
2	505AC-6100-60	WIRE, AC2A22	1	EA
3	505AC-6100-61	WIRE, AC2B22	1	EA
4	505AC-6100-50	WIRE, AC5C22	1	EA
5	505AC-6100-14	WIRE, AC3A14	1	EA
6	505AC-6100-57	WIRE, AC3AA14	1	EA
7	505AC-6100-16	WIRE, AC3C14	1	EA
8	505AC-6100-17	WIRE, AC3D14	1	EA
9	505AC-6100-56	WIRE, AC3DD14	1	EA
10	505AC-6100-51	WIRE, AC21C22N	1	EA
11	505AC-6100-32	WIRE, AC11A16	1	EA
12	505AC-6100-55	WIRE, AC1AA14	1	EA
13	505AC-6100-22	WIRE, AC5B22	1	EA
14	505AC-6100-34	WIRE, AC12A16N	1	EA
15	505AC-6100-24	WIRE, AC6B22	1	EA
16	505AC-6100-31	WIRE, AC10A22N	1	EA
17	505AC-6100-26	WIRE, AC7B22	1	EA
19	505AC-6100-28	WIRE, AC8B22	1	EA
21	505AC-6100-30	WIRE, AC9B22	1	EA
22	505AC-6100-52	WIRE, AC6C22	1	EA
23	505AC-6100-53	WIRE, AC7C22	1	EA
25	505AC-6100-54	WIRE, AC2BB22	1	EA
27	505AC-6100-35	WIRE, AC14A16	1	EA
28	505AC-6100-36	WIRE, AC15A16N	1	EA
29	505AC-6100-37	WIRE, AC16A22N	1	EA

# Bill of Materials

\*505AC-601-1, REV. M

ITEM #	P/N	DESCRIPTION	QTY	TYP
31	505AC-6100-33	WIRE, AC11B16	1	EA
41	ES50270-1	TERMINAL, FEMALE	2	EA
44	ES50272-2	CASE, MALE	1	EA
48	M7928/5-2	BUTT SPLICE (ALT: M81824/1-1)	1	EA
50	MS25036-101	TERMINAL LUG	1	EA
51	MS25036-103	TERMINAL LUG	3	EA
52	MS25036-106	TERMINAL LUG	2	EA
53	MS25036-108	TERMINAL LUG	2	EA
54	MS25036-153	TERMINAL LUG	1	EA
55	407AC-6118-1	DIODE ASSEMBLY	2	EA
56	ES59188-1	RELAY	1	EA
57	7277-2-1/2	CIRCUIT BREAKER (ALT: MS26574-1/2)	1	EA
58	7277-2-20	CIRCUIT BREAKER (ALT: MS26574-20)	1	EA
61	M23053/5-107-0	HEAT SHRINK	3	IN
66	14RB-250F	TERMINAL (ALT: RB14-250F)	3	EA
67	10RC-250F	TERMINAL	1	EA
70	NAS1149D0332J	WASHER	15	EA
73	MS51957-26	SCREW	4	EA
74	MS51957-25	SCREW	2	EA
76	7277-2-15	CIRCUIT BREAKER (ALT: MS26574-15)	1	EA
77	M7928/5-4	16AWG SPLICE (ALT: M81824/1-2)	1	EA
83	505AC-6100-10	SWITCH PANEL ASSY	1	EA
84	SJS830100	CONNECTOR PLUG	1	EA
85	MS27488-22-1	SEALING PLUG	21	EA
86	M39029/57-354	CONTACT SOCKET	8	EA
87	SJS830200	CONNECTOR JACK	4	EA

# Bill of Materials

\*505AC-601-1, REV. M

ITEM #	P/N	DESCRIPTION	QTY	TYP
88	M39029/58-360	CONTACT PIN	32	EA
89	130-065-12-1	TERMINAL JUNCTION (ALT: CTL-12-513)	1	EA
92	NAS1801-3-12	SCREW	4	EA
93	AN315-3R	NUT	4	EA
94	NAS1149F0332P	WASHER	8	EA
95	MS35338-43	SPLIT LOCK WASHER	8	EA
96	NAS9926-3L	NUT	7	EA
97	505AC-6120-15	2100GD5 DECAL	1	EA
98	505AC-6120-16	2100GD6 DECAL	1	EA
101	505AC-6120-11	2100GD1 DECAL	1	EA
102	505AC-6120-12	2100GD2 DECAL	1	EA
104	M83723/71W2232N	CONNECTOR JACK	1	EA
105	M83723/76W2232N	CONNECTOR PLUG	1	EA
109	18RA-2577	CONNECTOR (ALT: KTN50)	2	EA
110	MS21919WCH2	ADEL CLAMP	1	EA
111	NAS1149C0316R	WASHER	1	EA
112	MS27039C1-08	SCREW	1	EA
114	MS21919WDG4	ADEL CLAMP	1	EA
117	MS21919WDG6	ADEL CLAMP	2	EA
118	NAS1801-3-9	SCREW	1	EA
119	MS21919WDG12	ADEL CLAMP	1	EA
121	MS35214-41	SCREW	4	EA
125	505AC-6120-17	2100SP6 IDENT SHRINK TUBE	1	EA
126	505AC-6120-18	2100SP5 IDENT SHRINK TUBE	1	EA
127	505AC-6120-19	2160CR6 IDENT SHRINK TUBE	1	EA
128	505AC-6120-21	2100P1 IDENT SHRINK TUBE	1	EA

# Bill of Materials

\*505AC-601-1, REV. M

ITEM #	P/N	DESCRIPTION	QTY	TYP
130	505AC-6120-22	2130S4 DECAL	1	EA
131	505AC-6120-23	2160CR5 DECAL	1	EA
132	505AC-6120-24	2100SP3 IDENT SHRINK TUBE	1	EA
133	505AC-6120-49	2120J1 IDENT SHRINK TUBE	1	EA
134	WMEX0.250BK	EXPANDO LOOM 1/4"	12	IN
137	505AC-6120-20	2160K5 DECAL	1	EA
140	MS21042L08	LOCKING NUT	4	EA
143	NAS1149DN832J	WASHER	4	EA
144	NAS1801-3-8	SCREW	2	EA
151	M39029/5-118	CONTACT SOCKET (REF)	6	EA
152	M39029/4-113	CONTACT PIN (REF)	4	EA
153	M39029/5-115	CONTACT SOCKET (REF)	26	EA
154	M39029/4-110	CONTACT PIN (REF)	25	EA
155	MS27488-12-2	PLUG	6	EA
156	MS27488-20-2	PLUG	50	EA
157	505AC-6120-41	2461CB1J2 DECAL	1	EA
158	AMS3374	SEALANT (REF)	1	EA
159	NAS1801-04-5	SCREW	4	EA
160	NAS1149DN416J	WASHER	4	EA
161	M85049/95-22A-A	RETAINER	1	EA
162	505AC-6120-37	A/C BLOW DECAL	1	EA
163	505AC-6120-38	A/C DECAL	1	EA
164	505AC-6120-39	A/C CONT DECAL	1	EA
165	505AC-6100-2	DOUBLER	1	EA
166	CR3213-5-01	RIVET (ALT: NAS9301B-5-01)	4	EA
167	505AC-6120-40	2100J1 IDENT SHRINK TUBE	1	EA

## Bill of Materials

\*505AC-601-1, REV. M

ITEM #	P/N	DESCRIPTION	QTY	TYP
168	505AC-6120-50	2110P1 IDENT SHRINK TUBE	1	EA
169	505AC-6120-52	2120J2 IDENT SHRINK TUBE	1	EA
170	505AC-6120-51	2160J1 IDENT SHRINK TUBE	1	EA
171	505AC-6120-25	2461CB1P2 IDENT SHRINK TUBE	1	EA

# Bill of Materials

\*505AC-601-3, REV. M

ITEM #	P/N	DESCRIPTION	QTY	TYP
0	*505AC-601-3, REV. M	ELECTRICAL INSTALLATION	1	KIT
1	505AC-6100-59	WIRE, AC1A14	1	EA
2	505AC-6100-60	WIRE, AC2A22	1	EA
3	505AC-6100-61	WIRE, AC2B22	1	EA
4	505AC-6100-50	WIRE, AC5C22	1	EA
5	505AC-6100-14	WIRE, AC3A14	1	EA
6	505AC-6100-57	WIRE, AC3AA14	1	EA
7	505AC-6100-16	WIRE, AC3C14	1	EA
8	505AC-6100-17	WIRE, AC3D14	1	EA
9	505AC-6100-56	WIRE, AC3DD14	1	EA
10	505AC-6100-51	WIRE, AC21C22N	1	EA
11	505AC-6100-32	WIRE, AC11A16	1	EA
12	505AC-6100-55	WIRE, AC1AA14	1	EA
13	505AC-6100-22	WIRE, AC5B22	1	EA
14	505AC-6100-34	WIRE, AC12A16N	1	EA
15	505AC-6100-24	WIRE, AC6B22	1	EA
16	505AC-6100-31	WIRE, AC10A22N	1	EA
17	505AC-6100-26	WIRE, AC7B22	1	EA
19	505AC-6100-28	WIRE, AC8B22	1	EA
21	505AC-6100-30	WIRE, AC9B22	1	EA
22	505AC-6100-52	WIRE, AC6C22	1	EA
23	505AC-6100-53	WIRE, AC7C22	1	EA
25	505AC-6100-54	WIRE, AC2BB22	1	EA
27	505AC-6100-35	WIRE, AC14A16	1	EA
28	505AC-6100-36	WIRE, AC15A16N	1	EA
29	505AC-6100-37	WIRE, AC16A22N	1	EA

# Bill of Materials

\*505AC-601-3, REV. M

ITEM #	P/N	DESCRIPTION	QTY	TYP
31	505AC-6100-33	WIRE, AC11B16	1	EA
41	ES50270-1	TERMINAL, FEMALE	2	EA
44	ES50272-2	CASE, MALE	1	EA
48	M7928/5-2	BUTT SPLICE (ALT: M81824/1-1)	1	EA
50	MS25036-101	TERMINAL LUG	1	EA
51	MS25036-103	TERMINAL LUG	3	EA
52	MS25036-106	TERMINAL LUG	2	EA
53	MS25036-108	TERMINAL LUG	2	EA
54	MS25036-153	TERMINAL LUG	1	EA
55	407AC-6118-1	DIODE ASSEMBLY	2	EA
56	ES59188-1	RELAY	1	EA
57	7277-2-1/2	CIRCUIT BREAKER (ALT: MS26574-1/2)	1	EA
58	7277-2-20	CIRCUIT BREAKER (ALT: MS26574-20)	1	EA
61	M23053/5-107-0	HEAT SHRINK	3	IN
66	14RB-250F	TERMINAL (ALT: RB14-250F)	3	EA
67	10RC-250F	TERMINAL	1	EA
70	NAS1149D0332J	WASHER	7	EA
73	MS51957-26	SCREW	4	EA
74	MS51957-25	SCREW	2	EA
76	7277-2-15	CIRCUIT BREAKER (ALT: MS26574-15)	1	EA
77	M7928/5-4	16AWG SPLICE (ALT: M81824/1-2)	1	EA
83	505AC-6100-10	SWITCH PANEL ASSY	1	EA
84	SJS830100	CONNECTOR PLUG	1	EA
85	MS27488-22-1	SEALING PLUG	21	EA
86	M39029/57-354	CONTACT SOCKET	8	EA
87	SJS830200	CONNECTOR JACK	4	EA

# Bill of Materials

\*505AC-601-3, REV. M

ITEM #	P/N	DESCRIPTION	QTY	TYP
88	M39029/58-360	CONTACT PIN	32	EA
89	130-065-12-1	TERMINAL JUNCTION (ALT: CTL-12-513)	1	EA
92	NAS1801-3-12	SCREW (REF)	4	EA
93	AN315-3R	NUT (REF)	4	EA
94	NAS1149F0332P	WASHER (REF)	8	EA
95	MS35338-43	SPLIT LOCK WASHER (REF)	8	EA
96	NAS9926-3L	NUT	3	EA
97	505AC-6120-15	2100GD5 DECAL	1	EA
98	505AC-6120-16	2100GD6 DECAL	1	EA
101	505AC-6120-11	2100GD1 DECAL	1	EA
102	505AC-6120-12	2100GD2 DECAL	1	EA
104	M83723/71W2232N	CONNECTOR JACK	1	EA
105	M83723/76W2232N	CONNECTOR PLUG	1	EA
109	18RA-2577	CONNECTOR (ALT: KTN50)	2	EA
110	MS21919WCH2	ADEL CLAMP	1	EA
111	NAS1149C0316R	WASHER	1	EA
112	MS27039C1-08	SCREW	1	EA
114	MS21919WDG4	ADEL CLAMP	1	EA
117	MS21919WDG6	ADEL CLAMP	2	EA
118	NAS1801-3-9	SCREW	1	EA
119	MS21919WDG12	ADEL CLAMP	1	EA
121	MS35214-41	SCREW	4	EA
125	505AC-6120-17	2100SP6 IDENT SHRINK TUBE	1	EA
126	505AC-6120-18	2100SP5 IDENT SHRINK TUBE	1	EA
127	505AC-6120-19	2160CR6 IDENT SHRINK TUBE	1	EA
128	505AC-6120-21	2100P1 IDENT SHRINK TUBE	1	EA

# Bill of Materials

\*505AC-601-3, REV. M

ITEM #	P/N	DESCRIPTION	QTY	TYP
130	505AC-6120-22	2130S4 DECAL	1	EA
131	505AC-6120-23	2160CR5 DECAL	1	EA
132	505AC-6120-24	2100SP3 IDENT SHRINK TUBE	1	EA
133	505AC-6120-49	2120J1 IDENT SHRINK TUBE	1	EA
134	WMEX0.250BK	EXPANDO LOOM 1/4"	12	IN
137	505AC-6120-20	2160K5 DECAL	1	EA
140	MS21042L08	LOCKING NUT	4	EA
143	NAS1149DN832J	WASHER	4	EA
144	NAS1801-3-8	SCREW	2	EA
151	M39029/5-118	CONTACT SOCKET (REF)	6	EA
152	M39029/4-113	CONTACT PIN (REF)	4	EA
153	M39029/5-115	CONTACT SOCKET (REF)	26	EA
154	M39029/4-110	CONTACT PIN (REF)	25	EA
155	MS27488-12-2	PLUG	6	EA
156	MS27488-20-2	PLUG	50	EA
157	505AC-6120-41	2461CB1J2 DECAL	1	EA
158	AMS3374	SEALANT (REF)	1	EA
159	NAS1801-04-5	SCREW	4	EA
160	NAS1149DN416J	WASHER	4	EA
161	M85049/95-22A-A	RETAINER	1	EA
162	505AC-6120-37	A/C BLOW DECAL	1	EA
163	505AC-6120-38	A/C DECAL	1	EA
164	505AC-6120-39	A/C CONT DECAL	1	EA
165	505AC-6100-2	DOUBLER	1	EA
166	CR3213-5-01	RIVET (ALT: NAS9301B-5-01)	4	EA
167	505AC-6120-40	2100J1 IDENT SHRINK TUBE	1	EA

## Bill of Materials

\*505AC-601-3, REV. M

ITEM #	P/N	DESCRIPTION	QTY	TYP
168	505AC-6120-50	2110P1 IDENT SHRINK TUBE	1	EA
169	505AC-6120-52	2120J2 IDENT SHRINK TUBE	1	EA
170	505AC-6120-51	2160J1 IDENT SHRINK TUBE	1	EA
171	505AC-6120-25	2461CB1P2 IDENT SHRINK TUBE	1	EA